

**EXHIBIT 1**  
**FILED UNDER SEAL**

# JEDEC MANUAL

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## JEDEC Manual of Organization and Procedure

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**JM21U**

(Revision of JM21T, September 2020)

**DECEMBER 2022**

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**JEDEC SOLID STATE TECHNOLOGY ASSOCIATION**



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## 8 Legal guidelines

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All meetings of the JEDEC Board and its associated committees, subcommittees, task groups, and other units shall comply with JEDEC Legal Guidelines incorporated herein by reference. JEDEC Legal Counsel may advise the Board and committees from time to time concerning interpretation of Legal Guidelines.

### 8.1 JEDEC documents and publications

Prior to publication, the following documents including, but not limited to, all JEDEC standards, publications, manuals, minutes, surveys, questionnaires, press releases, registration data formats, and workshop proceedings, formulated by the Board, committees, and subcommittees, must be approved by JEDEC Legal Counsel.

### 8.2 Patent Policy

#### 8.2.1 Terms and definitions

**Affiliate:** An entity owned or controlled by a Committee Member, or which controls or is under common control with a Committee Member for so long as such control exists.

NOTE For purposes of this definition, control means the ownership of greater than 50% of the voting securities of that Committee Member.

**Approval by the Committee:** An approval by vote of the committee to send a proposed Standard to the Board of Directors for review and approval. Some committees approve proposed Standards in parts, for example, by a "pass-hold" process. In those instances, "Approval by the Committee" means preliminary or final approval of the relevant part of a proposed Standard by a committee vote.

**Committee Member:** An entity that participates in a JEDEC committee and its Affiliates.

**Contribution:** Any submitted material, proposal or other submission offered by a Committee Member in the process of developing a Standard for the purpose of incorporating such submitted material, proposal, or other submission into a Standard, provided that such submitted material, proposal, or other submission either, a) exists in a tangible form of expression (including in electronic media); or b) is a verbal statement that is memorialized in written documentation (such as a proposed Standard or submitted material) and is either confirmed or not objected to by such Committee Member within thirty (30) calendar days after its receipt of or access to such memorialization, including without limitation, via posting on the JEDEC website.

### 8.2.1 Terms and definitions (cont'd)

**Disclosure of Potentially Essential Patents** (to Disclose Potentially Essential Patents): Disclosure to JEDEC, in writing, in the following form:

- a) for issued patents, disclose the patent owner, assignee (if available at time of disclosure) name, address and intellectual property rights (“IPR”) contact person; name or title of the patent; the patent number; the country or countries of issuance, and the Standard(s) on which the submitter of the disclosure believes an Essential Patent Claim may read,
- b) for published applications, disclose the patent application owner, assignee (if available at time of disclosure) name, address and IPR contact person; name or title of the patent; the patent application number; the country or countries of filing, and the Standard(s) on which the submitter of the disclosure believes an Essential Patent Claim may read, and
- c) for unpublished pending applications, disclose the name or title of the patent application, the patent application owner or assignee (if available at time of disclosure) name, address and the IPR contact person; the patent application number; the general subject matter of such unpublished application(s) and the Standard(s) on which the submitter of the disclosure believes an Essential Patent claim may read. Nothing herein precludes broader disclosure of unpublished patent applications on a voluntary basis or pursuant to a non-disclosure agreement.

Disclosure of a patent is deemed to include all patents claiming priority of a single filing. The listing of foreign equivalents is optional and at the discretion of the patent holder.

NOTE If any of a Committee Member’s disclosed patent or patent application contains Essential Patent Claims which, if licensed, would require a payment of royalties or other material consideration to an unaffiliated third party, the Committee Member must also note this fact in its disclosure statement.

**Essential Patent:** A Patent containing one or more Essential Patent Claims.

**Essential Patent Claims:** Those Patent claims the use of which would necessarily be infringed by the use, sale, offer for sale or other disposition of a portion of a product in order to be compliant with the required portions of a final approved JEDEC Standard.

NOTE Essential Patent Claims do not include Patent claims covering aspects that are not required to comply with a JEDEC Standard, or are required only for compliance with sections that are marked “example,” “non-normative,” or otherwise indicated as not being required for compliance, or related to underlying enabling technologies or manufacturing techniques not specified in the standard.

**Participate (Participated, Participation):** (a) joining a JEDEC committee or task group involved in the development of or amendments to a Standard; or (b) attending more than one meeting of such committee or task group (in person or by telephone) within a one-year period. “Participate” includes being present at any point in a meeting of a committee or task group even if the individual or entity has not formally joined the committee or task group.

**Patents:** All classes or types of patents other than design patents (including, without limitation, originals, divisions, continuations, continuations-in-part, extensions or reissues), and applications for these classes or types of patents throughout the world.

**Potentially Essential Patent:** A Patent that is reasonably believed by a subject person to contain one or more Essential Patent Claims.

### **8.2.1 Terms and definitions (cont'd)**

**Potential Licensees:** All JEDEC Committee Members and non-members.

**RAND:** Reasonable and non-discriminatory licensing terms and conditions.

**Representative:** An individual who represents a Committee Member. The term includes entities that have not formally joined the committee or task group, if they participate.

**Standard:** Standards include publications and package outlines, provided that they are adopted (or intended to be adopted) by the JEDEC Board of Directors and have the effect of Standards. Standards work includes activities in JEDEC committees and task groups.

NOTE Standards include both proposed and adopted JEDEC technical specifications.

### **8.2.2 General Provisions**

#### **8.2.2.1 Committee Members**

All Committee Members, as a condition of committee membership or committee Participation, agree to abide by JEDEC rules and procedures, including this JEDEC patent policy (“Patent Policy”). This commitment also applies to entities that Participate in JEDEC Committees or task groups, whether or not they have formally joined as JEDEC members.

All Committee Members, as a condition of committee membership and participation, agree to Disclose Potentially Essential Patents, as set forth more fully in 8.2.3, and to offer to license their Essential Patent Claims to all Potential Licensees on RAND terms and conditions, if and as consistent with 8.2.3 and 8.2.4.

The disclosure and licensing obligations of Committee Members and Participants are limited to Standards developed in the particular JEDEC committees in which and while they Participate.

As JEDEC members, Committee Members and Representatives are encouraged, but not required, both to disclose their Potentially Essential Patents and to license their Essential Patent Claims on RAND terms and conditions for Standards developed in all other JEDEC committees in which they are not Committee Members. Such disclosure shall be in the format described in 8.2.3 and be made to the JEDEC Legal Department.

Committee Members and Representatives are encouraged, but not required, to disclose the Potentially Essential Patents of other entities, including other Committee Members and third-parties.

Committee Members and Representatives are encouraged, but not required, to bring Patent Policy issues or concerns with respect to the Disclosure of Potentially Essential Patents and the licensing of Essential Patent Claims to the attention of the JEDEC Board of Directors for resolution, see 9.2.

## 8.2.2 General Provisions (cont'd)

### 8.2.2.2 Committees

JEDEC committees and task groups shall not consider any matters or proposals that are outside the approved scope of such committees or task groups. Furthermore, JEDEC committees and task groups are encouraged to use best efforts to avoid proposals for Standards that are within the approved scope of such committees and task groups and that would be likely to cause Committee Members to terminate their membership in the committee or task group for the purpose of discontinuing their disclosure or RAND licensing obligations.

JEDEC committees and task groups shall keep track of all notices, disclosures and licensing assurances with respect to Potentially Essential Patents and to review, on a periodic basis, the list of prior disclosures of Potentially Essential Patent Claims.

JEDEC committees and task groups shall consider reasonable workarounds and technical alternatives (but are not required to implement such workarounds or alternatives) within the earlier of: a) balloting, or b) one-hundred twenty (120) calendar days of receiving Notice of Refusal to offer Licenses on RAND Terms.

JEDEC committees and task groups are encouraged, but not required, to resolve patent policy issues before balloting. Unresolved issues relating to Potentially Essential Patents may be submitted to the JEDEC Board of Directors for resolution, see 9.2. The sole remedy for any issues or concerns about deviations from approved scope shall be an appeal to the JEDEC Board of Directors made prior to Approval by the Committee, see 9.2.

### 8.2.3 Disclosure of Potentially Essential Patents

At each committee meeting, the chairperson should call to the attention of all those present the requirements contained in the JEDEC Legal Guides and the obligation of all Representatives to inform the committee of any personal knowledge they have of any Potentially Essential Patents that are owned or controlled by that Committee Member and to call for the Disclosure of Potentially Essential Patents by Representatives. Annex A provides information to be displayed at the beginning of the committee meeting to satisfy the requirement. Additionally, all Representatives should be asked to read the statement attached to each JEDEC sign-in/attendance roster; see Annex A for patent policy application guidelines.

All Committee Members must Disclose Potentially Essential Patents, known to their Representative(s) to be Potentially Essential Patents that are owned or controlled by that Committee Member to the personal knowledge of the Representatives. However, neither Committee Members nor Representatives shall have any obligation to conduct a search for Potentially Essential Patents.

Disclosure of Potentially Essential Patents by a Representative or the Committee Member being represented shall be made as early as reasonably possible. The Disclosure of Potentially Essential Patents shall be in accordance with the definition of Disclosure of Potentially Essential Patents, see 8.2.1. Initial disclosure by a Committee Member or Representative may be made in a meeting of the committee or task group. The Representative is responsible for ensuring that such disclosure is properly recorded in the meeting minutes.

### **8.2.3 Disclosure of Potentially Essential Patents (cont'd)**

The Representative or Committee Member shall document all known Potentially Essential Patents in either: a) License Assurance/Disclosure Forms, see Annex A.3, or b) Notice of Refusal to offer Licenses on RAND Terms forms, see Annex A.4. Such disclosures or notices of known Potentially Essential Patents shall be delivered to the JEDEC Legal Department within thirty (30) calendar days of Approval by the Committee in order to be effective.

#### **8.2.3.1 Disclosure of unwillingness to license work of a committee**

If a Committee Member knows that it would not be willing to offer to license Essential Patent Claims arising from the Contributions of another Committee Member on RAND terms to all Potential Licensees consistent with 8.2.4, the Committee Member shall notify the committee chair in writing as early as reasonably possible but no later than thirty (30) calendar days after Approval by the Committee in the form of a Notice of Refusal to offer Licenses on RAND Terms, see Annex A.4.

The committee shall consider working around the material or other technical alternatives with a goal of resolving the concern if at all possible. The Committee Member may (at its own discretion) withdraw its notification of Refusal to License at any time. However, if the Committee Member wishes to maintain its position that it would refuse to License the work of the committee, the Committee Member must withdraw from the committee no later than one-hundred twenty (120) calendar days after providing notice of its unwillingness to license.

### **8.2.4 RAND Patent Licensing Commitment**

Subject to the terms and conditions of section 8.2.4, each Committee Member, as a condition of Participation, agrees to offer to license on RAND terms, to all Potential Licensees, such Committee Member's Essential Patent Claims for the use, sale, offer for sale or other disposition of a portion of a product in order to be compliant with the required portions of a final approved JEDEC Standard issued during the period of membership in that committee. The licensing commitment does not apply to Essential Patents of a Committee Member where notice of a Refusal to License has been given by the Committee Member in accordance with 8.2.3.1.

This commitment applies to any Standard that was pending in the committee or task group while the Committee Member Participated in that committee or task group. If a Committee Member terminates its committee membership, the commitment does not apply with respect to any new proposal or Standard introduced in the committee or task group after the Committee Member provided notice to the JEDEC Legal Department terminating its committee membership. If and as necessary, questions whether or not a particular proposal is a new Standard or merely a continuation of a prior Standard will be addressed in the first instance by the JEDEC Legal Department in accordance with 8.2.10.

Certain exceptions apply to the licensing requirement. A Committee Member will not be required to license or continue to license its Essential Patent Claims to a Potential Licensee for a particular Standard if: (i) such Potential Licensee does not agree to grant a license to all other Potential Licensees under such Potential Licensee's Essential Patent Claims of that Standard on RAND terms and conditions for the approved Standard and/or (ii) such Potential Licensee has commenced or has threatened to commence patent litigation targeting such Committee Member's products that are meant to comply with that Standard.